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MERL-1565

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Mehta et al.

:
: Art Unit: 2682

Serial No: 10/828,625

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: Examiner: Unknown

Filed: April 21, 2004

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Title: MULTIPLE ANTENNS AT TRANSMITTERS AND RECEIVERS TO ACHIEVE
HIGHER DIVERSITY ABD DATA RATES IN MIMO SYSTEMS

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* * *

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the
following documents (copies enclosed) listed on the attached copy
of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 checked below:

 X 1.97(b) This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.

No fee or certification is required.

 1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action under 37 CFR 1.113; OR
- (2) A Notice of Allowance under 37 CFR 1.311;

AND is accompanied by either:
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_____ the Certification under 37 CFR
1.97(e) as set out below; OR

_____ the fee of \$240.00 under 37 CFR
1.17(p).

___ 1.97(d) This Information Disclosure Statement is filed
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set out below; AND

(2) Petition is hereby made under 37 CFR
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Information Disclosure Statement; AND,

(3) Authorization to charge the petition fee
of \$130.00 as set out in 37 CFR 1.17(i).

If this Information Disclosure Statement is being filed
under 37 CFR 1.97(c) or 1.97(d), the undersigned Attorney hereby

certifies that:

— each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;

or

— no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

MERL-1565

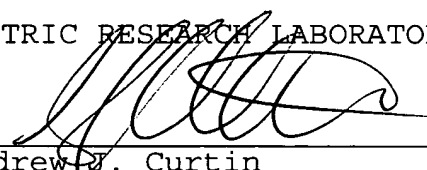
Authorization is hereby given to charge the indicated fee(s)
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Respectfully submitted,

mitsubishi electric research laboratories

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Enclosures

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Form PTO-1449 (modified 2/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MERL-1565	Serial Number: 10/828,625
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Mehta et al.	
		Filing date: April 21, 2004	Group art area: 2682



U.S. PATENT DOCUMENTS

Examiner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO
	WO2004/014013A1	Feb. 12, 2004	PCT	H04L	1/06	X	
	EP 1,207,645 A	May 22, 2002	EPO	H04L	1/00	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	
2.	
3.	
4.	
Examiner:	Date Considered:
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP .609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	